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I, the undersigned, being an officer duly authorised in accordance with Section 74(1) and (4) of the Deregulation and Contracting Out Act 1994, to sign and issue certificates on behalf of the Comptroller-General, hereby certify that annexed hereto is a true copy of the documents as originally filed in connection with the patent application identified therein.

In accordance with the Patents (Companies Re-registration) Rules 1982, if a company named in this certificate and any accompanying documents has re-registered under the Companies Act 1980 with the same name as that with which it was registered immediately before re-registration save for the substitution as, or inclusion as, the last part of the name of the words "public limited company" or their equivalents in Welsh, references to the name of the company in this certificate and any accompanying documents shall be treated as references to the name with which it is so re-registered.

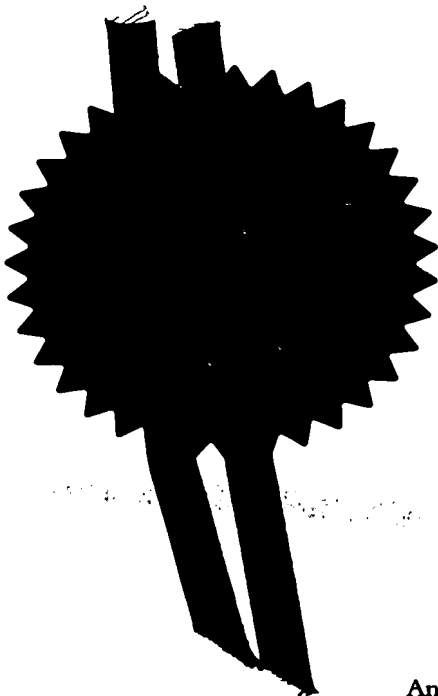
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Dated 30<sup>th</sup> MAY 1996



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12MAY95 E124753-1 002613  
P01/7700 25.00

Your reference BR/JM/FAS/P01UK

11 MAY 1995

9509530.3

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Please type, or write in dark ink using CAPITAL letters. A prescribed fee is payable for a request for grant of a patent. For details, please contact the Patent Office (telephone 071-438 4700).

Rule 16 of the Patents Rules 1990 the main rule governing the completion and filing of this form.

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The  
Patent  
Office

## Request for grant of a Patent

Form 1/77

Patents Act 1977

### 1 Title of invention

1 Please give the title  
of the invention

BUILDING COMPONENT

### 2 Applicant's details

☐ First or only applicant

2a If you are applying as a corporate body please give:

Corporate name

Country (and State  
of incorporation, if  
appropriate)

2b If you are applying as an individual or one of a partnership please give in full:

Surname SCHOFIELD

Forenames FREDERICK ANDREW

2c In all cases, please give the following details:

Address 3 CRAWFORDSBURN WAY  
NEWTOWNARDS  
COUNTY DOWN  
NORTHERN IRELAND

UK postcode  
(if applicable) BT23 4RY

Country UNITED KINGDOM

ADP number  
(if known)

6777672001

A

11 MAY 1995

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**2d, 2e and 2f:** If there are further applicants please provide details on a separate sheet of paper.

☐ **Sec nd applicant (if any)**

**2d** If you are applying as a corporate body please give:

Corporate name

Country (and State  
of incorporation, if  
appropriate)

**2e** If you are applying as an individual or one of a partnership please give in full:

Surname

Forenames

**2f** In all cases, please give the following details:

Address

UK postcode  
(if applicable)

Country

ADP number  
(if known)

**3** An address for service in the United Kingdom must be supplied

Please mark correct box

**3 Address for service details**

**3a** Have you appointed an agent to deal with your application?

Yes ☒ No ☐ → go to 3b

↓  
please give details below

Agent's name ANSONS

Agent's address 240 Upper Newtownards Road,  
Belfast  
Northern Ireland  
United Kingdom

Postcode BT4 3EU

Agent's ADP  
number 5572169001

**3b:** If you have appointed an agent, all correspondence concerning your application will be sent to the agent's United Kingdom address.

**3b** If you have not appointed an agent please give a name and address in the United Kingdom to which all correspondence will be sent:

Name

Address

Postcode

ADP number  
(if known)

Daytime telephone  
number (if available)

**Reference number**

4 Agent's or  
applicant's reference  
number (if applicable)

BR/JM/FAS/P01UK

**5 Claiming an earlier application date**

5 Are you claiming that this application be treated as having been filed on the date of filing of an earlier application?

Please mark correct box

Yes ☐ No ☒ **go to 6**

↓  
**please give details below**

☐ number of earlier  
application or patent  
number

☐ filing date

(day month year)

☐ and the Section of the Patents Act 1977 under which you are claiming.

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15(4) (Divisional) ☐ 8(3) ☐ 12(6) ☐ 37(4) ☐

**6 Declaration of priority**

6 If you are declaring priority from previous application(s), please give:

Country of filing	Priority application number (if known)	Filing date (day, month, year)
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6 If you are declaring priority from a  
PCT Application please enter 'PCT' as  
the country and enter the country  
code (for example, GB) as part of the  
application number.

Please give the date in all number  
format, for example, 31/05/90 for  
31 May 1990.

7 The answer must be 'No' if:  
● any applicant is not an inventor  
there is an inventor who is not an  
applicant, or  
any applicant is a corporate body.

8 Please supply duplicates of  
claim(s), abstract, description and  
drawing(s).

Please mark correct box(es)

9 You or your appointed agent (see  
Rule 90 of the Patents Rules 1990)  
must sign this request.

Please sign here ➡

A completed fee sheet should  
preferably accompany the fee.

## 7 Inventorship

7 Are you (the applicant or applicants) the sole inventor or the joint inventors?

Please mark correct box

Yes ☒

No ☐

➡ A Statement of Inventorship on Patents  
Form 7/77 will need to be filed (see Rule 15).

## 8 Checklist

8a Please fill in the number of sheets for each of the following types of  
document contained in this application.

Continuation sheets for this Patents Form 1/77

Claim(s)

Description

Abstract

Drawing(s)

4

2

8b Which of the following documents also accompanies the application?

Priority documents (please state how many)

Translation(s) of Priority documents (please state how many)

Patents Form 7/77 – Statement of Inventorship and Right to Grant  
(please state how many)

Patents Form 9/77 – Preliminary Examination/Search

Patents Form 10/77 – Request for Substantive Examination

## 9 Request

I/We request the grant of a patent on the basis of this application.

Signed

ANSONS

Date 10th May 1995  
(day month year)

**Please return the completed form, attachments and duplicates  
where requested, together with the prescribed fee to either:**

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The Patent Office  
Cardiff Road  
Newport  
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25 Southampton Buildings  
London  
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## BUILDING COMPONENT

This invention relates to a building component for use in constructing a roof for a building primarily, but not only, a building constructed having a "double skin" outer wall(s) particularly, but not necessarily, having a cavity between said skins, the cavity normally being filled or substantially so with an insulation material. A requirement of building regulations currently in force is the capping or closing-off of the top of such cavity. This capping operation is normally achieved by fabrication on site using a board of natural or synthetic material in the same, a preceding or a succeeding operation including a gable wall overhang, a barge board and a soffit. While this invention is primarily concerned with the provision of gable wall overhangs, barge boards and soffits, it is also applicable to the provision of front/rear wall overhangs, fascia boards and soffits. Heretofore, overhangs have been constructed of timber as have barge boards and soffits which require regular painting maintenance with both barge boards and soffits being susceptible to rot and decay and requiring periodic replacement. Barge boards and soffits have also been provided of synthetic plastics material. While these are beneficial in requiring little maintenance they tend to degrade when exposed to sunlight, due to ultra violet radiation and thermal stresses. These existing building components are disadvantageous and an object of the present invention is to obviate or mitigate these disadvantages.

Accordingly, the present invention is a building component comprising a block unit having a capping tile portion and an overhang portion with the outer

face of which serving as a barge/fascia board. A lower face of the overhang portion beneficially serves as a soffit.

The block unit is desirably for use with others of its kind in being laid side-by-side as a course on top of a wall. Alternatively, the block unit may be provided in desired lengths. The capping tile portion of the block unit is suitably positioned over the wall and the overhang portion projects outwardly beyond the wall.

The capping tile portion is preferably of equal weight to or heavier than the overhang portion to counterbalance or overbalance inwardly the block unit when laid on a wall.

Preferably, the block unit is made of any durable material, for example cementitious material. The overhang portion is beneficially hollow or may have multi-cavities therein or may be cellular. The block unit may alternatively be cast from two cementitious mixtures, one containing a stone aggregate in respect of the capping tile portion and the other containing a light-weight aggregate in respect of the overhang portion which is solid.

An embodiment of the present invention will now be described, by way of example, with reference to the accompanying drawings, in which:-

Fig. 1 is a perspective view of a part of a top and one gable of a building having a roof support structure with a gable overhang, a barge board and a soffit constructed conventionally;

Fig. 2 is a perspective view of a part of a top and one end of a building having a roof support structure with a course of block units according to the present invention; and

Figs. 3A and 3B are similar perspective views of a block unit showing different shaped hollow configurations provided in an overhang portion thereof.

Referring to the drawings, a building component comprises a block unit 8 having a capping tile portion 10 and an overhang portion 12 with the outer face of which serving as a barge or fascia board 14 and a lower face as a soffit.

5        The block unit 8 is for use with others of its kind in being laid side-by-side as a course on top of a wall 16 with the capping tile portion 10 thereover and the overhang portion 12 projecting outwardly beyond the wall 16.

      The capping tile portion 10 is of equal weight to or heavier than the overhang portion 12 to counterbalance or overbalance inwardly the block unit 8  
10 when laid on a gable wall 16.

      The block unit 8 is made of any durable material, for example cementitious material, and can be coloured to suit a particular colour scheme for the rest of the normally painted or coloured parts of a building, for example window frames or doors. The overhang portion 12 is hollow as shown in Figs.  
15 3A or 3B with a cylindrical or square tubular formed passage respectively. Corner or end block units 18 are provided to terminate a course of block units 8 as shown in Fig. 2 laid on top of the gable wall in the same manner as conventional bricks or blocks are laid using mortar. The capping tile portion 10 overlies and closes off the cavity in the gable wall 16. An apex 20 may be  
20 formed by providing mitre sides to the block units 8 to be abutting at the vertex of the wall. The top surfaces of the block units 8 are flush with the top surfaces of a series of rafters 22 which together provide a roof support structure for a tiled or slated roof including battens and felt.

      The outer face of the overhang portions 12 when being moulded may be  
25 provided with a wood grain or other ornamental/decorative effect.

A gable overhang and barge board when formed in the manner described above is beneficial over the existing provision for such and requires little or no maintenance.

5 In a first modification, a block unit is provided in a desired length equal to and to locate between a formed apex unit and a corner or end block unit in each gable wall. Such length units may be used in multiples along front or rear walls between corner or end block units.

10 In a second modification, the overhang portion is provided with multi-cavities/passages, normally axially parallel to each other, or is of a cellular structure.

In a third modification, the block unit may be cast from two cementitious mixtures, one containing a stone aggregate in respect of the capping tile portion and the other containing a light-weight aggregate, for example pumice, wood chip or expanded polystyrene, in respect of the overhang portion.

15 Variations and other modifications can be made without departing from the scope of the invention described above.

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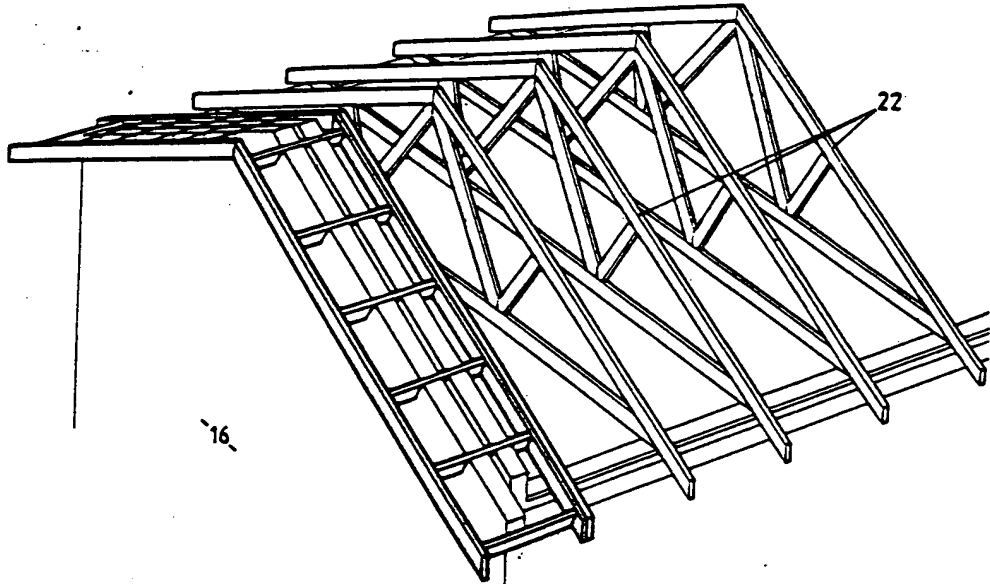


FIG. 1.

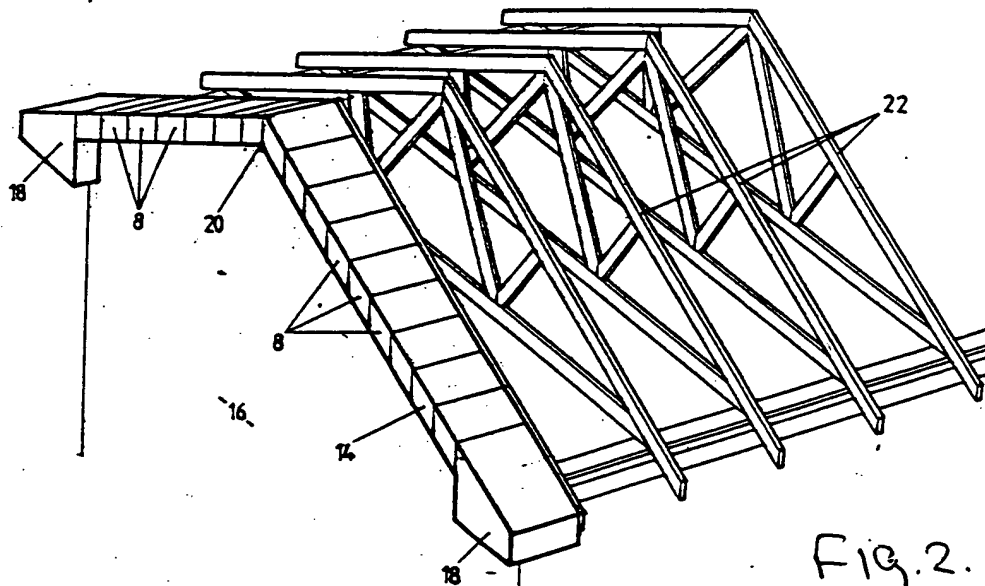


FIG. 2.

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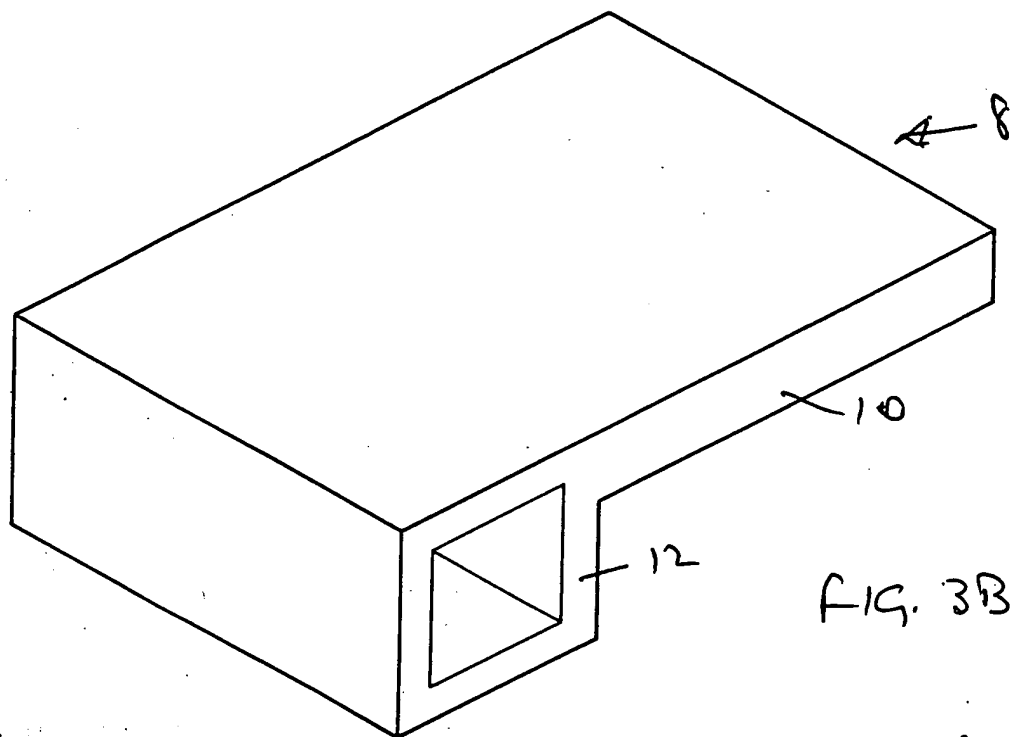
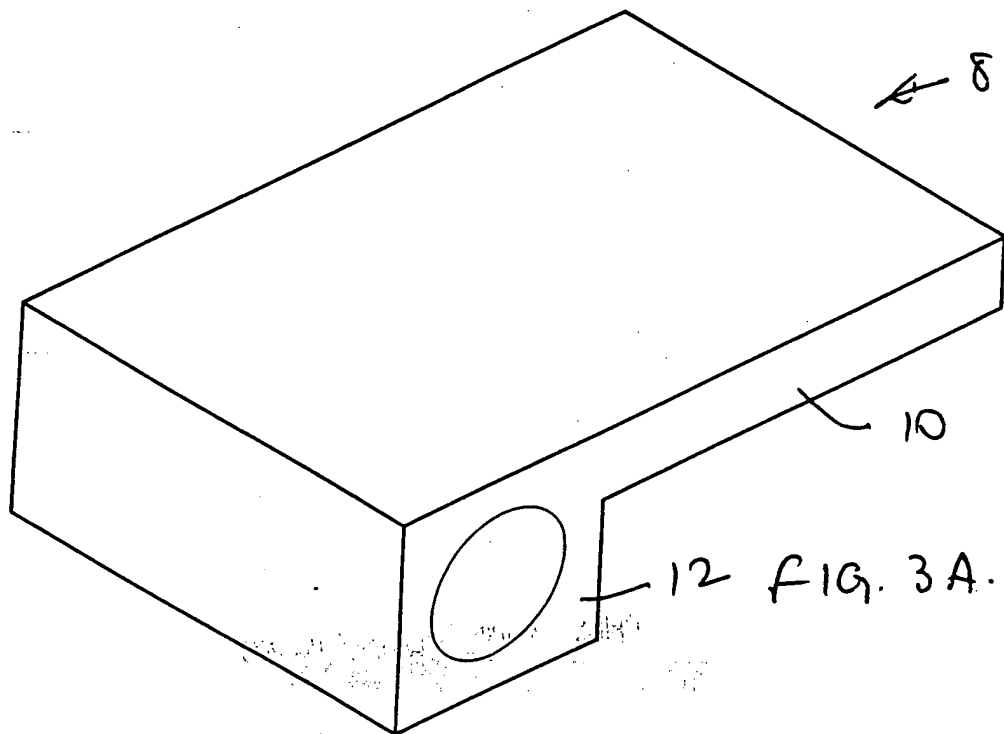


FIG. 3B.

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